**Table** ANCOVA analyses summarizing the effect of the primary factor season on reproductive output, fecundity and embryo volume. Hermaphrodite body mass and carapace length were controlled for as covariates

|  |  |  |  |
| --- | --- | --- | --- |
| ANCOVA (Factors) | df | F-stat | p-value |
| Reproductive Output |  |  |  |
| Body Mass | 1 | 7.92 | .005\* |
| Season | 3 | 27.79 | < .001\* |
| Body Mass x Season | 3 | 1.61 | 0.185 |
| Fecundity |  |  |  |
| Body Mass (covariate) | 1 | 0.41 | 0.518 |
| Season | 3 | 14.1 | < .001\* |
| Body Mass x Season | 3 | 5.67 | < .001\* |
| Fecundity |  |  |  |
| CL (covariate) | 1 | 1.72 | 0.19 |
| Season | 3 | 14.49 | < .001\* |
| CL x Season | 3 | 8.38 | < .001\* |
| Embryo Volume |  |  |  |
| Body Mass (covariate) | 1 | 31.06 | < .001\* |
| Season | 3 | 43.71 | < .001\* |
| Body Mass x Season | 3 | 2.07 | 0.104 |
| Embryo Volume |  |  |  |
| CL (covariate) | 1 | 18.6 | < .001\* |
| Season | 3 | 45.11 | < .001\* |
| CL x Season | 3 | 1.62 | 0.183 |
| \* Significant at α = 0.05 |  |  |  |